HEXAGON

1

Length of a side of a regular hexagon is 5cm, Find the length of a diagonal.

- ANEESSH

RHOMBUS

2

Area of a rhombus is 360 cm^2 and one of the diagonal's is 18 cm. Find the other diagonal.

- TANVI

TRIANGLE

3

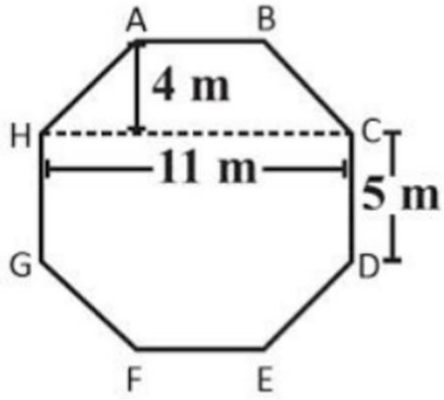
Find the area of a triangle if the base is twice the size of the height

- GAUTAM

OCTAGON

4

Find the area of the octagonal surface

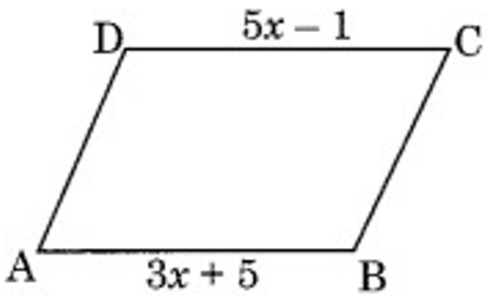


- SANJANA

5

Parallelogram

In the given figure, ABCD is a parallelogram. Find x.

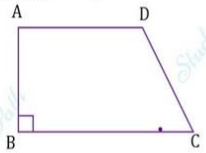


- Oliver

6

TRAPEZIUM

Question 9: The length of the fence of a trapezium-shaped field ABCD is 130 m and side AB is perpendicular to each of the parallel sides AD and BC. If BC = 54 m, CD = 19 m and AD = 42 m, find the area of the field.



- DEVANSHI

- Q1 Find the volume of a cuboid whose length =12cm, breadth=8cm , height =6cm.

- Q2 What will be the height of a cuboid of volume 168 m3, if the area of it's base is $28m^2$?

- Q 3 A large box is a side with sides of length 80 cm.Smaller boxes that are also cubes have length of 20 cm. What is the volume of:
- i) the large cube
- ii) the smaller cube
- iii)How many smaller cubes can fit in the big cube?

- Q 4 The length and breadth of a cuboid is 18 cm and 12cm respectively .The volume of the cuboid is $3024cm^3$.Find the height.

- Q5 If the volume of a cube is 512cm^3. Find the total surface area of the cube.

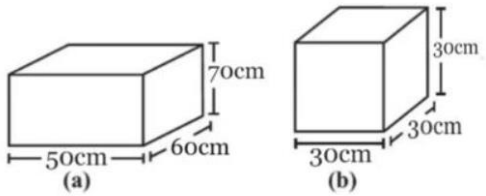
- Q6 The length of a cuboidal petrol tank is 2m , breadth is 1m and the height is 50 cm .How much petrol can be filled in half the tank?

If the side of a cube is 10cm, find the surface area of the cube.

2(lh+ hb+ bl) is the formula for surface area of cylinder.

The TSA of a cuboid is : l=3cm, b=4cm, h=5cm.

There are 2 boxes as shown in the adjoining figure: What is the TSA of the following figures.



A cylindrical tank's dimensions length 100cm and diameter 98cm. Find TSA Needed to be painted. (π =3.14)

Ram painted outside of a cabinet of measure 2m×3m×4m. What is the surface area excluding top and bottom.

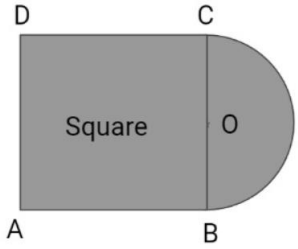
If in a cylinder, radius is doubled and height is halved, then find its curved surface area.

The floor of a rectangular hall has a p of 250m if cost of painting the walls rate of 10/m2 is rs 15000,find the height.

Find the length of the edge of the cube, if its area is 2400cm^2

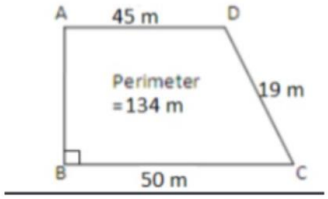
Question 1

If the side of a square is 28 cm, then find the area of the semi-circle as shown in the figure



Question 2

Length of the fence of a trapezium shaped field ABCD is 134m if BC =50 m, CD=19m and AD=45m. Find the area of this field if the side AB is perpendicular to the parallel sides AD and BC

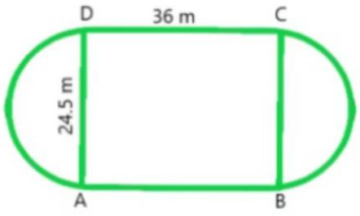


Question 3

If the side of a square is doubled then what will its area become compared to the original square?

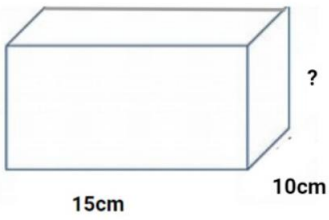
Question 4

Playground has the shape of a rectangle, with two semi-circles on its smaller sides as diameters, added to its outside. If the sides of the rectangle are 36 m and 24.5 m, find the area of the playground. (Take π= 22/7.)



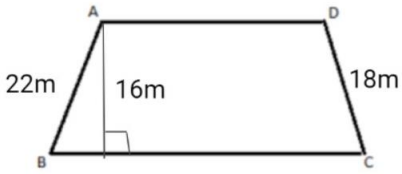
Question 5

Find the height of a cuboid of volume 600 cm3, whose length and breadth are 15 cm and 10 cm respectively.



Question 6

The perimeter of a trapezium is 104m, its non-parallel sides are 18m and 22m, and its altitude is 16m. Find the area of trapezium.



QUESTION

FIND THE SURFACE AREA OF A LARGE CAN WITH RADIUS 0.1M AND HEIGHT 2.2 M.

QUESTION

A CLOSED METALLIC CYLINDRICAL BOX IS 1.25 M HIGH AND IT HAS A BASE RADIUS IS 35 CM. IF THE SHEET METAL COSTS RS. 80 PER M2,FIND THE COST OF THE METERIAL USED IN THE BOX.ALSO, FIND THE CAPACITY OF THE BOX IN LITRES.

$\pi = 3.14$

QUESTION

FIND THE CURVED SURFACE AREA AND THE TOTAL SURFACE AREA OF A CYLINDER THE DIAMETER OF WHOSE BASE IS 7CM AND HEIGHT IS 60 CM

QUESTION

FIND THE TOTAL SURFACE AREA OF A CONTAINER IN CYLINDRICAL SHAPE WHOSE DIAMETER IS 28 CM AND HEIGHT IS 15 CM.

QUESTION

A CYLINDRICAL WATER TANK WITH SPECIFICATIONS AS BELOW NEEDS TO BE NEEDS TO BE PAINTED, FIND THE COST OF PAINTING THE CYLINDER AT THE RATE OF ₹5/PER METRE.

QUESTION

THE RADIUS AND HEIGHT OF A CYLINDER ARE IN THE RATIO 7:2. IF THE VOLUME OF THE CYLINDER IS 8316CM3. FIND THE SURFACE AREA OF CYLINDER.

QUESTION

A RECTANGULAR SHEET OF PAPER, 44CM X 20CM, IS ROLLED ALONG THE CYLINDER. FIND THE TOTAL SURFACE AREA OF THE CYLINDER THUS GENERATED?

QUESTION

THE SURFACE AREA OF A CYLINDER IS 4092 CM2, FIND ITS CSA IF THE DIAMETER OF ITS BASE IS 42CM.